

REMARKS

Reconsideration of this application is respectfully requested. Claims 1, 2, 4, and 8 have been canceled without prejudice. Claim 5 has been amended to recite a method of increasing skin firmness and elasticity, reducing lines and wrinkles of skin, improving age spots and clarity of skin, raising ability of skin or scalp to scavenge oxygen free radicals, raising ability of skin or scalp against UV-induced damage, treating aging of skin or scalp, preventing skin or scalp from aging, treating winter itch, or improving secretion of sebaceous and sweat glands. Claim 9 has been added. Accordingly, claims 5, 6, and 9 are pending and at issue.

Claims 1, 2, 5, and 6 have been rejected under 35 U.S.C. §102(b) as anticipated by Lindenbaum (U.S. Patent No. 5,461,030) and Hinson (U.S. Patent No. 5,145,679).

This rejection is respectfully traversed and reconsideration is respectfully requested.

Lindenbaum discloses a method for healing wounds by administering a formulation containing human growth hormone, insulin, and a particular serum free cellular nutrient medium (see, for example, claim 1 of Lindenbaum). Hinson discloses a method of treating circulation induced lesions with a formulation containing a source of glucose and insulin (see the abstract of Hinson). Neither Lindenbaum nor Hinson disclose or suggest administering insulin to skin, rather

Lindenbaum discloses administering the formulation disclosed therein to wounds and Hinson discloses administering the formulation disclosed therein to lesions.

Furthermore, neither Lindenbaum nor Hinson disclose or suggest administering insulin to treat or prevent aging of skin or scalp, increase skin firmness and elasticity, reduce lines and wrinkles of skin, improve age spots and clarity of skin, raise ability of skin or scalp to scavenge oxygen free radicals, raise ability of skin or scalp against UV-induced damage, treat aging of skin or scalp, prevent skin or scalp from aging, treat winter itch, or improve secretion of sebaceous and sweat glands.

For the foregoing reasons, applicants respectfully request withdrawal of this rejection.

Claims 4 and 8 have been rejected under 35 U.S.C. §102(a) as anticipated by Rakitskaya et al. (RU 2078561), under 35 U.S.C. §102(e) as anticipated by Goudzenko et al. (U.S. Patent No. 5,817,621), and under 35 U.S.C. §102(b) as anticipated by Goudzenko et al. (International Publication No. WO 96/05797).

Since claims 4 and 8 have been canceled without prejudice, this rejection is moot.

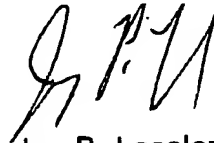
In view of the above remarks, it is respectfully requested that the application be reconsidered and that all pending claims be allowed and the case passed to issue.

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Docket No. 3142/1G877-U2

If there are any other issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned at the telephone number indicated below.

Respectfully submitted



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Docket No. 3142/1G877-U2

Marked-Up Claims
Accompanying January 15, 2003 Amendment
For U.S. Serial No. 09/748,466
(Docket No. 3142/1G877-US2)

IN THE CLAIMS:

5. (Twice Amended) A method of increasing skin firmness and elasticity, reducing lines and wrinkles of skin, [improving quality of connective tissues, promoting turnover of skin or scalp cells, promoting proliferation of skin or scalp cells, helping skin or scalp to repair damaged keratinocytes,] improving age spots and clarity of skin, raising ability of skin or scalp to scavenge oxygen free radicals, [treating UV-induced damage,] raising ability of skin or scalp against UV-induced damage, [promoting skin or scalp cells to absorb nutrition, rebuilding subcutaneous fat padding,] treating aging of skin or scalp, preventing skin or scalp from aging, [improving hair growth and quality,] treating winter itch, [or atrophies of local skin, treating and neutralizing skin complications of corticosteroids in topical application, treating complications of skin or connective tissue caused by diabetes, preventing skin and connective tissue from complications caused by diabetes,] or improving secretion of sebaceous and sweat glands comprising: topically applying insulin, which can be natural, synthetic, recombinant, human or animal, to the skin[,] or scalp [or hair].

Pending Claims
Accompanying January 15, 2003 Amendment
For U.S. Serial No. 09/748,466
(Docket No. 3142/1G877-US2)

5. (Twice Amended) A method of increasing skin firmness and elasticity, reducing lines and wrinkles of skin, improving age spots and clarity of skin, raising ability of skin or scalp to scavenge oxygen free radicals, raising ability of skin or scalp against UV-induced damage, treating aging of skin or scalp, preventing skin or scalp from aging, treating winter itch, or improving secretion of sebaceous and sweat glands comprising:

topically applying insulin, which can be natural, synthetic, recombinant, human or animal, to the skin or scalp.

6. (Amended) The method of claim 5, wherein said method further includes using cosmetically or pharmaceutically acceptable ingredients to formulate a product of cosmetic or pharmaceutical comprising:
said insulin which can be natural, synthetic, recombinant, human or animal.

9. A method of treating aging of skin or scalp or preventing skin or scalp from aging comprising:
topically applying insulin, which can be natural, synthetic, recombinant, human or animal, to the skin or scalp.

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